

**Ethyl Silicate 40**  
**RUTESIL ES****Application**

Cross-linker for rubber RTV, a binder for the manufacture of ceramic forms of precision casting, a binder in heat-resistant, chemical and atmospheric coatings (for glass, ceramics, metal surfaces); binder for paints with high zinc content (anti-corrosion effect); binder in the manufacture of dental prostheses in medicine.

**CAS No.**

78-10-4

**Molecular Formula**

$C_2H_5O[Si(OC_2H_5)_2O]_n Si(OC_2H_5)_3$ , n=0 – 4

**Appearance & Property**

Colorless transparent liquid with low viscosity.

**Typical product data**

content of SiO <sub>2</sub> (%)	40 – 42
density (ρ <sup>20</sup> , g/cm <sup>3</sup> )	1.05 -1.07
dynamic viscosity (25°C, mm <sup>2</sup> /s)	4 – 7
free acid (as HCl)	≤0.01%
flash point (open cup)	≥62°C

**Hazard Class**

3

**Package Class**

III

**Package**

Steel drums, IBC containers.

**Storage**

Keep in dry and well-ventilated place, protected from moisture and water.

**Safety information**

Wear personal protective equipment. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition.

Ship according to regulations for dangerous chemical products.